

Figure 1

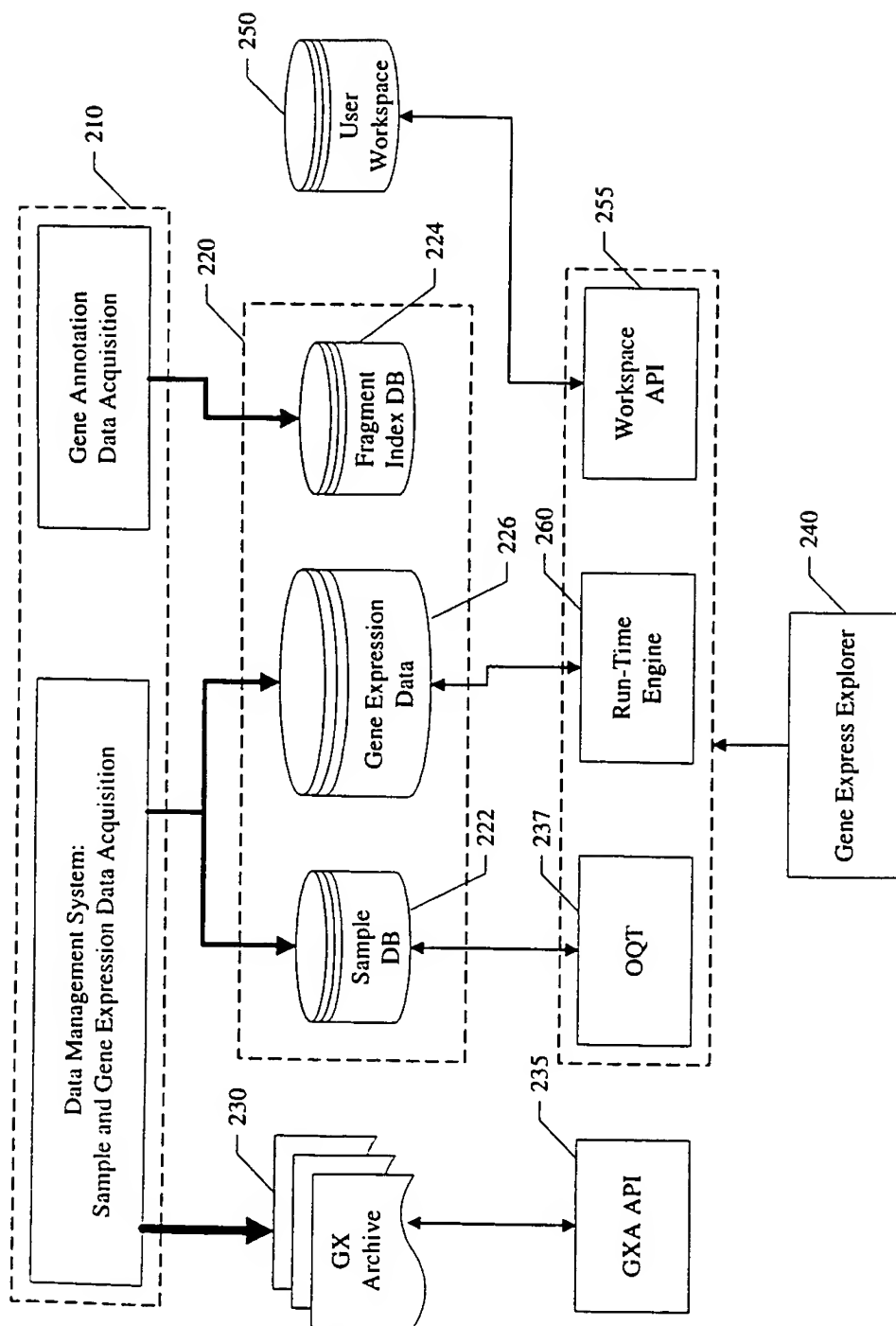


Figure 2



# Sample Attributes

Biosample	Donor	Study
<ul style="list-style-type: none"> <li>• species (human, rat)</li> <li>• type (tissue, cell)</li> <li>• organ (brain, liver, bone)</li> </ul>	<ul style="list-style-type: none"> <li>• gender</li> <li>• chemistry report</li> <li>• hematology report</li> </ul>	<ul style="list-style-type: none"> <li>• name</li> <li>• begin Date</li> <li>• end Date</li> <li>• description</li> <li>• time/dose groups</li> </ul>
Tissue	Human Specific	Per Group
<ul style="list-style-type: none"> <li>- excision date</li> <li>- time to freezing</li> </ul>	<ul style="list-style-type: none"> <li>- age</li> <li>- race</li> <li>- smoking Use</li> <li>- alcohol Use</li> </ul>	<ul style="list-style-type: none"> <li>- treatment agent</li> <li>- sampling time</li> <li>- admin time</li> <li>- dosing regiment</li> <li>- other repeated observation</li> </ul>
Cell Culture	Animal Specific	
<ul style="list-style-type: none"> <li>- type (primary, passaged,..)</li> <li>- cellural type</li> <li>- time after harvest</li> <li>- isolation method</li> </ul>	<ul style="list-style-type: none"> <li>- strain</li> <li>- weight</li> <li>- age at sacrifice</li> </ul>	

Figure 4

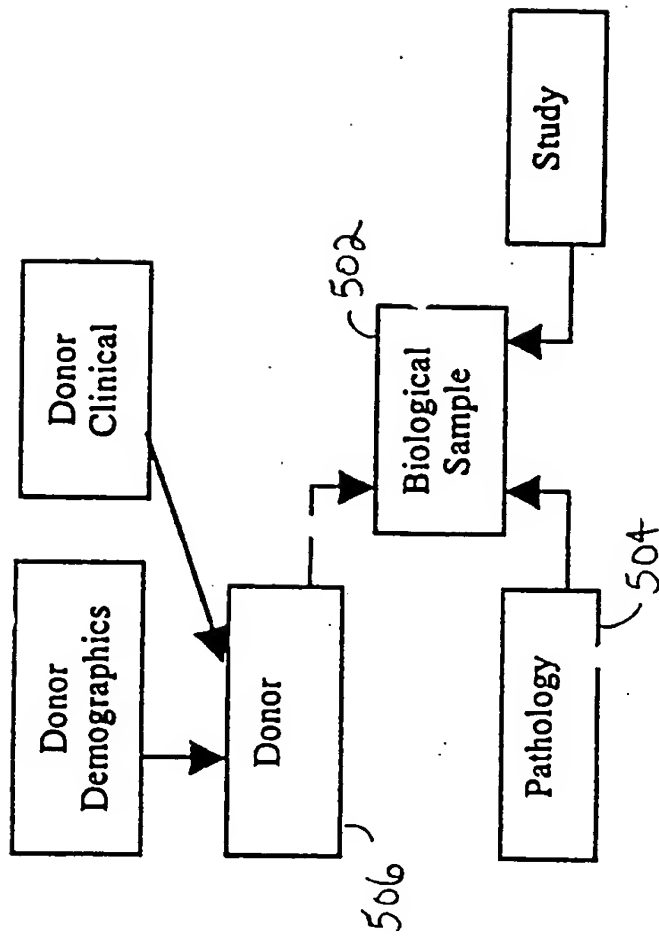


Figure 5

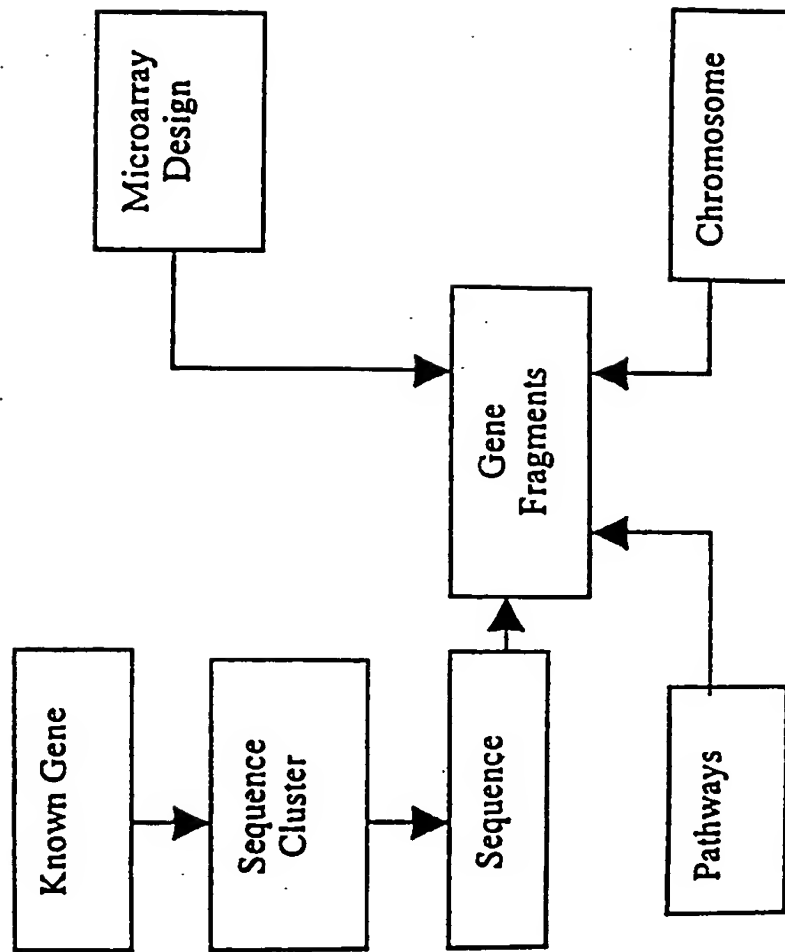


Figure 6

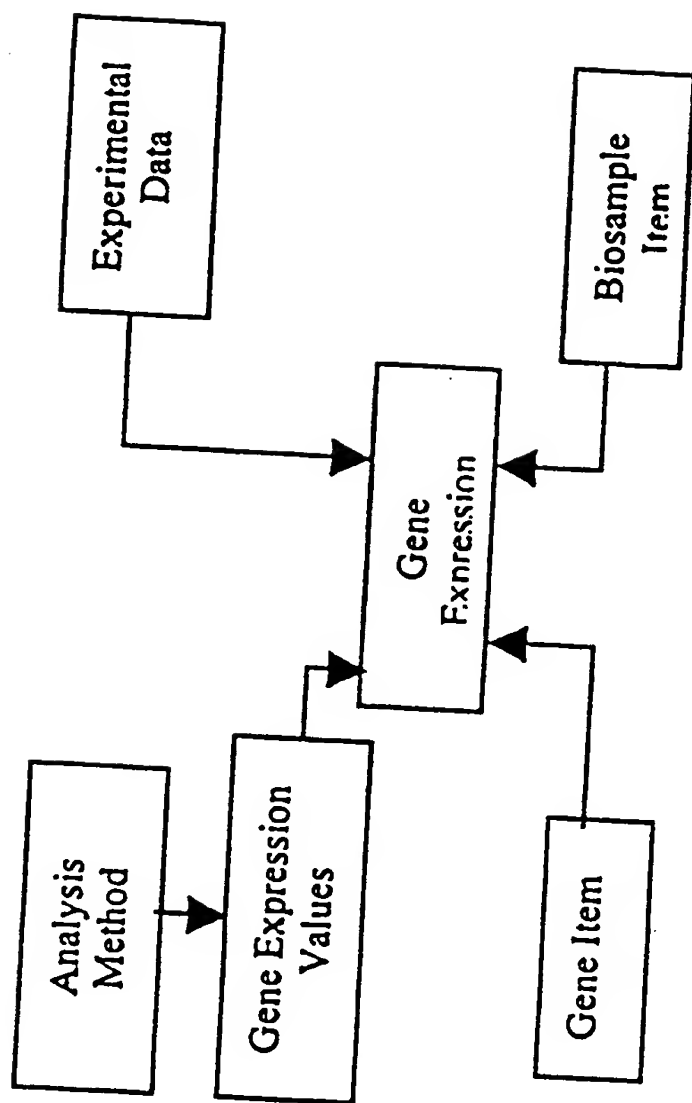


Figure 7

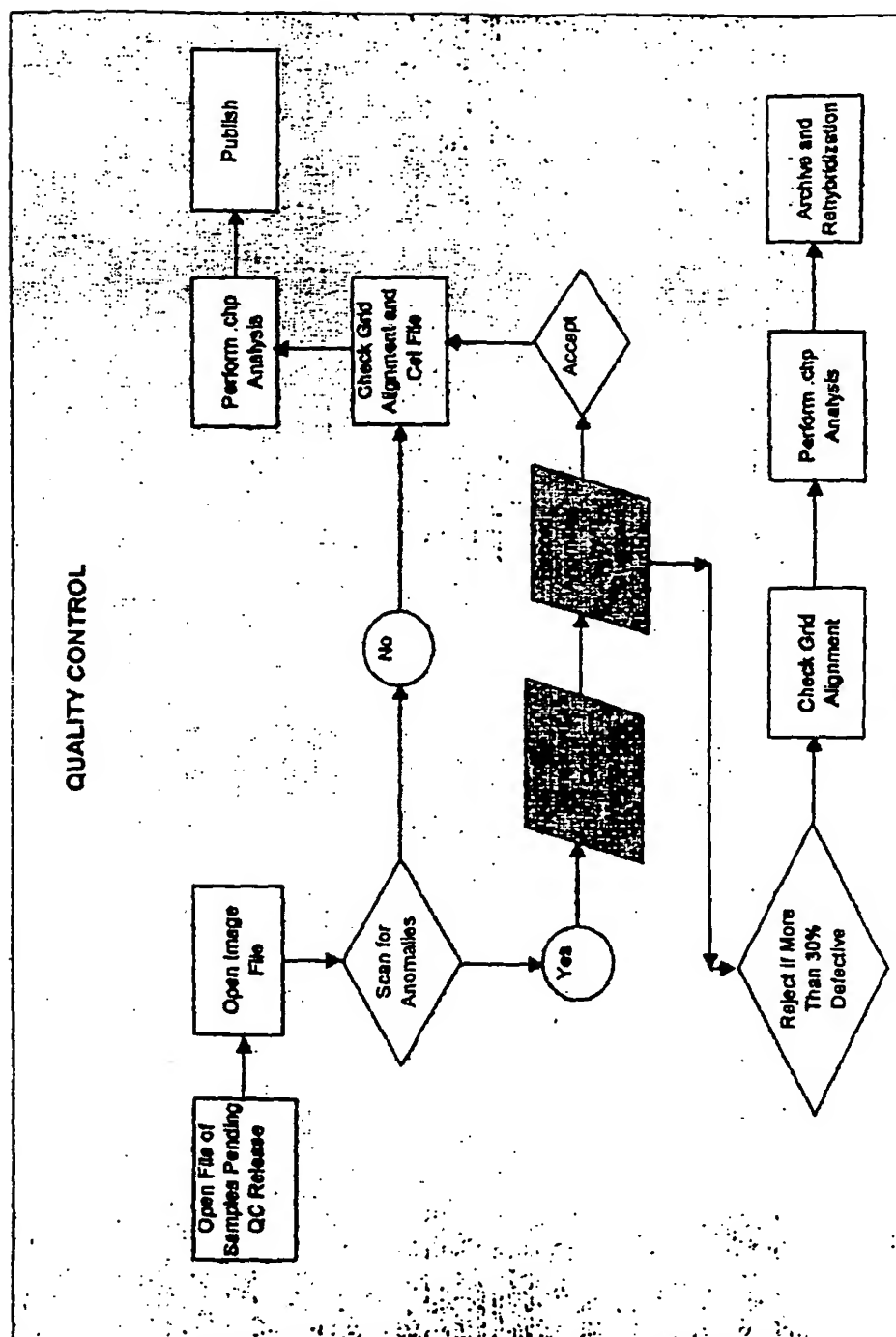


Figure 8



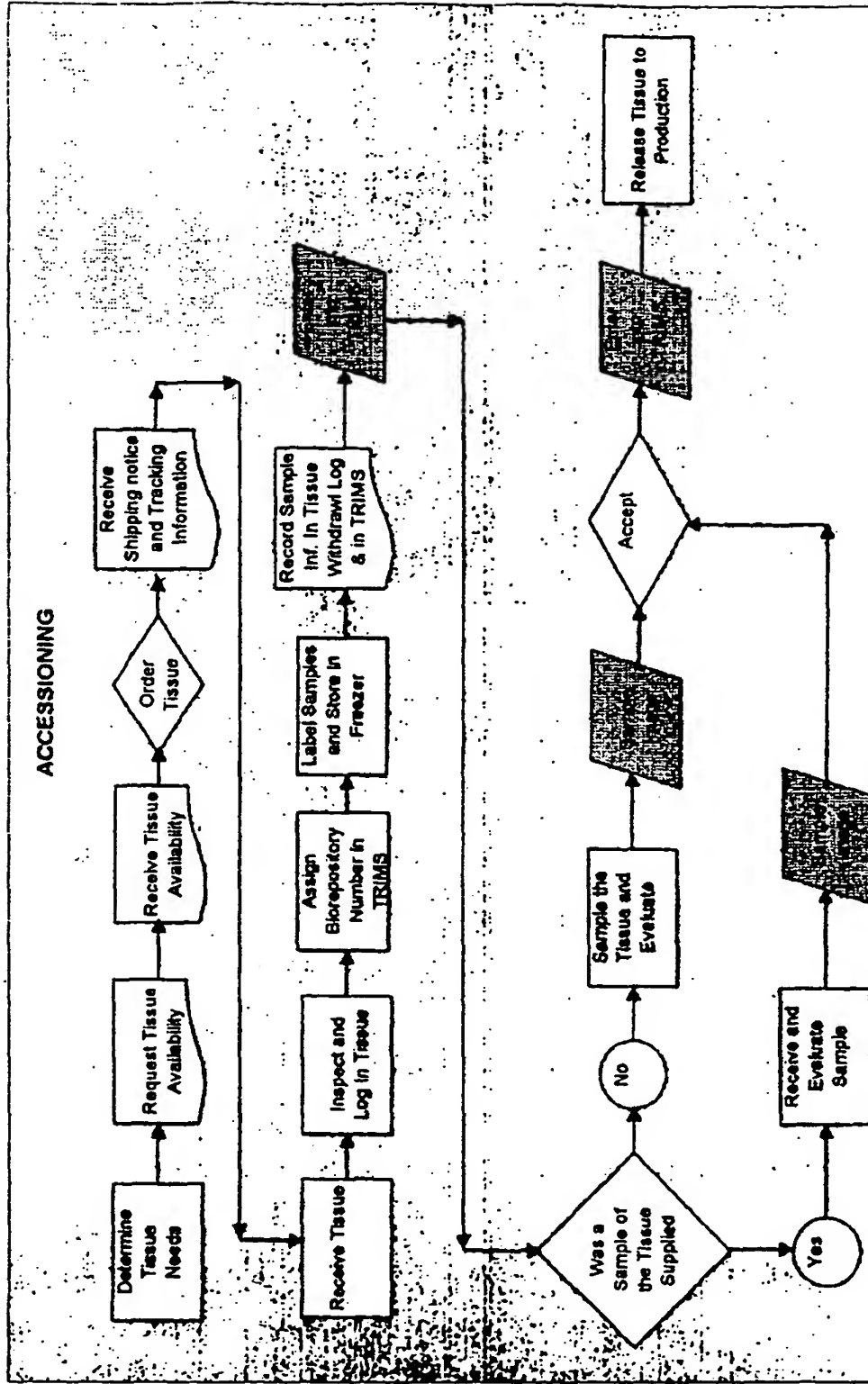


Figure 9

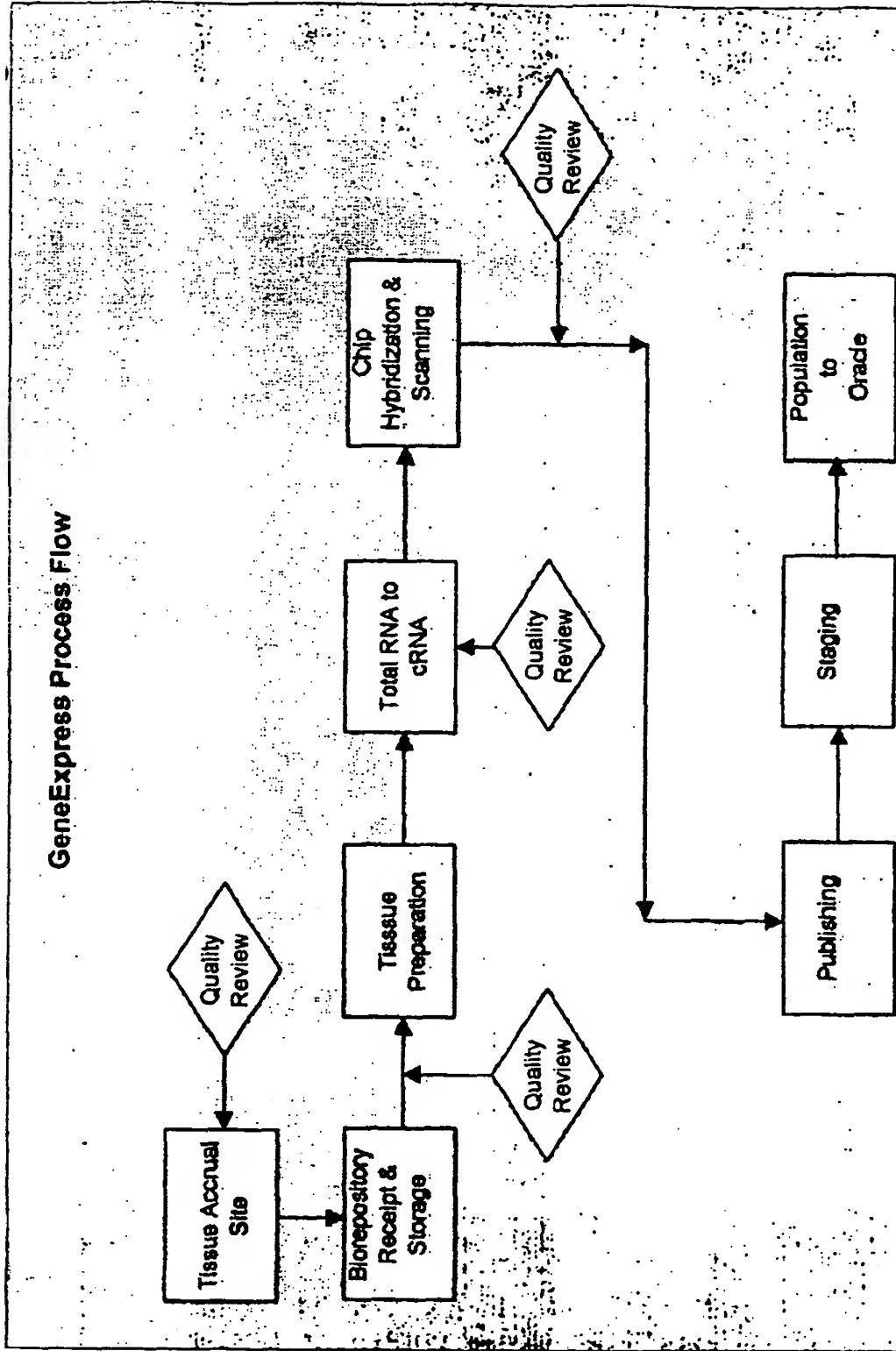


Figure 10



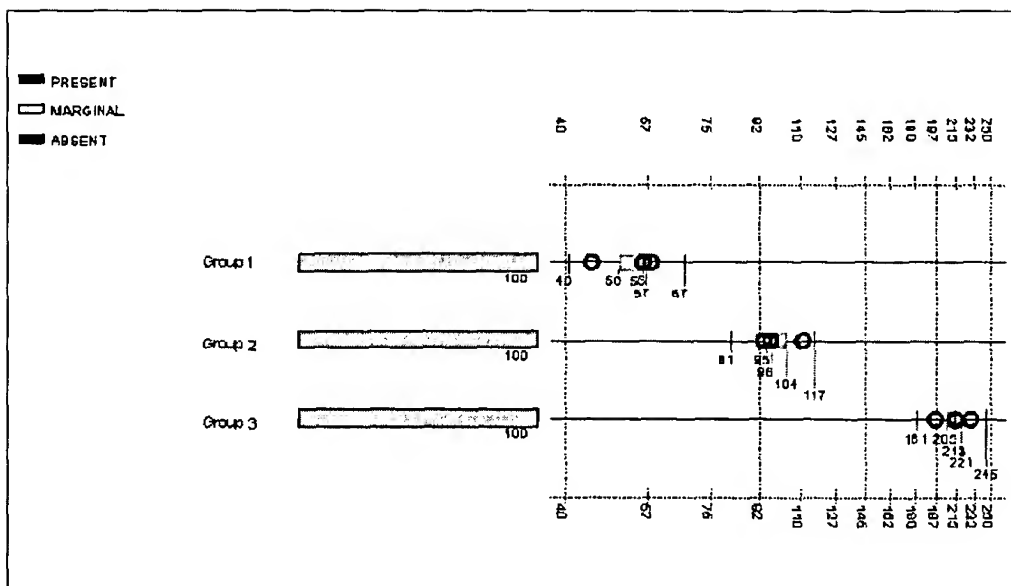


Figure 12

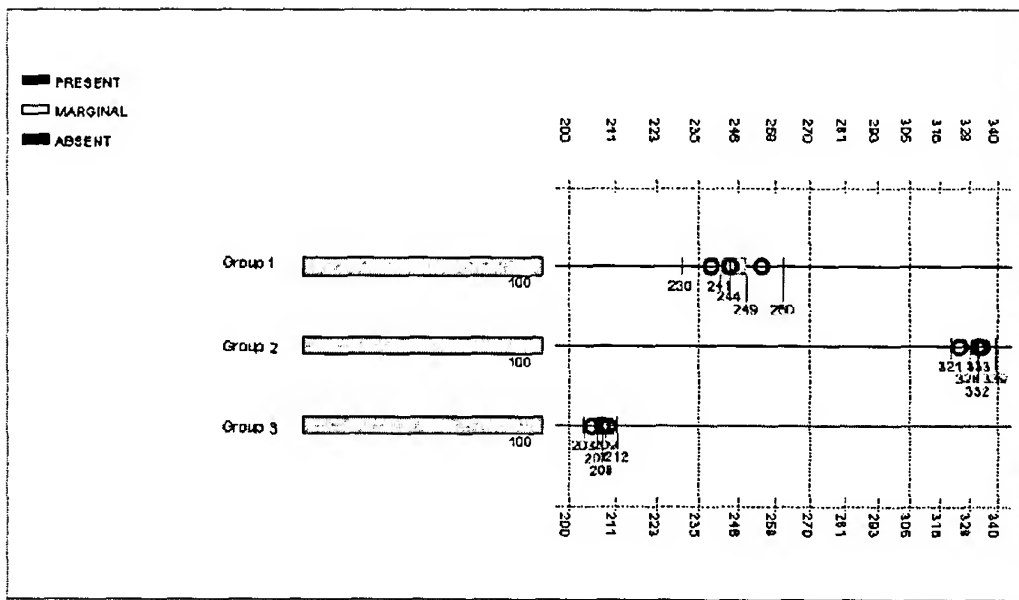


Figure 13